

FIGURE 1

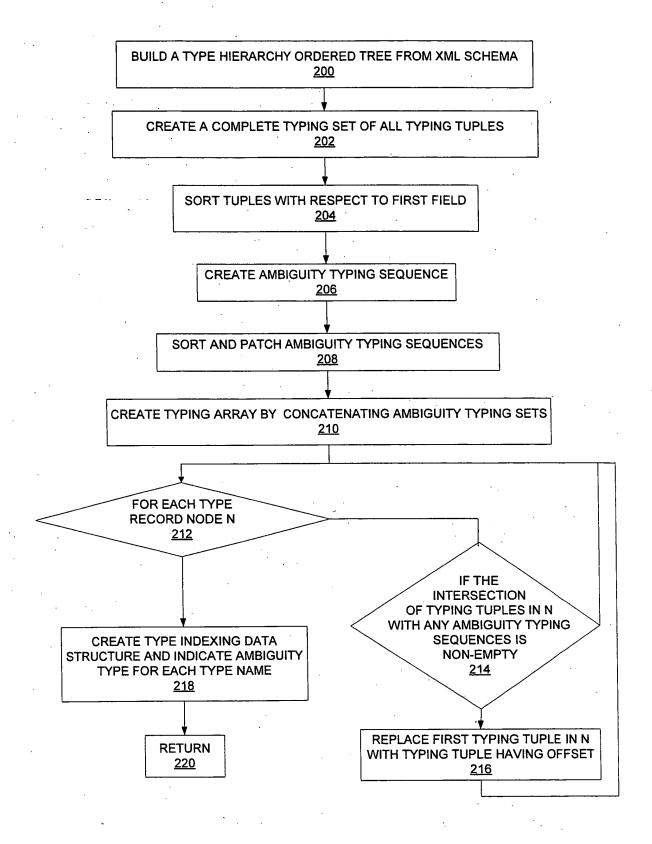


FIGURE 2

```
300
<schema targetNamespace="http://www.foo.com/yellowpage"
                                                             <element name='address' type='p:AddressType'</p>
    xmlns="http://www.w3.org/2001/XMLSchema"
                                                             maxOccurs='1'/>
                                                                 <element ref='notes' minOccurs='0'/>
    xmlns:p="http://www.foo.com/personnel">
                                                                </sequence>
                                                               <attribute name='semo'
                                                                                         type='integer'/>
 <annotation> 🗻
                                                                <attribute name='userid'
  <documentation xml:lang='en'>
  The Contact Directory Records for foo.com
                                                             type='p:VENDOR_USERID_TYPE'/>
   Copyright 2003 foo.com. All rights reserved.
                                                               </complexType>
  </documentation>
 </annotation>
                                                  304
                                                               <element name='yellowpages'>
                                                                <complexType>
 <complexType name='AddressType' abstract='true'>
                                                                 <choice minOccurs='1' maxOccurs='unbounded'>
                                                                  <element name='employee' type='p:employeeType'/>
                                                                  <element name='vendor' type='p:vendorType'/>
   <element name='street' type='string'/>
   <element name='city' type='string'/>
                                                                 </choice>
                                                                </complexType>
  </sequence>
 </complexType>
                                                               </element>
                                                               <element name='notes' type='string'/>
 <!-- address type of different country -->
                                                               <element name='employee_notes' type='string' _316</pre>
 <complextType name='USAddressType'>
  <complexContent>
                                                              substitutionGroup='p.notes'/>
    <extension base='p:AddressType'>
                                                               <element name='employer_notes' type='string'
                                                              substitutionGroup='p.notes'/>
     <sequence>
      <element name='state' type='p:USState'/>
      <element name='zip' type='positiveInteger'/>
                                                               <!- Customized Simple data type declaration ->
                                                               <simpleType name='USERID_TYPE'>
     </sequence>
                                                                <restriction base='string'>
    </extension>
                                                                  <pattern value='[a-zA-Z]{1}[1-9a-zA-Z]*'/>
  </complexContent>
 </complexType>
                                                                 </restriction>
                                                                </simpleType>
 <!- etc. ...
                                         308
                                                                <simpleType name='VENDOR_USERID_TYPE'>
                                                                 <restriction base='string'>
  <complexType name='employeeType'>
                                                                  <pattern value='[0-9]{1}[1-9a-zA-Z]*'/>
   <sequence>
    <element name='name' maxOccurs='1'/>
                                                                 </restriction>
                                                                </simpleType>
     <complexType>
                                                               </schema>
        <element name='lastname' type='string' maxOccurs='1'/>
        <element name='firstname' type='string' maxOccurs='1'/>
      </sequence>
      </complexType>
    <element name='address' type='p:AddressType' maxOccurs='1'/>
    <element ref='notes' minOccurs='0'/>
   </sequence>
                            type='integer'/>
   <attribute name='semo'
                            type='p:USERID_TYPE'/>
   <attribute name='userid'
   <attribute name='department' type='string'/>
  </complexType>
                                                        310
  <complexType name='vendorType'>
    <sequence>
     <element name='name' type='string' maxOccurs='1'/>
```

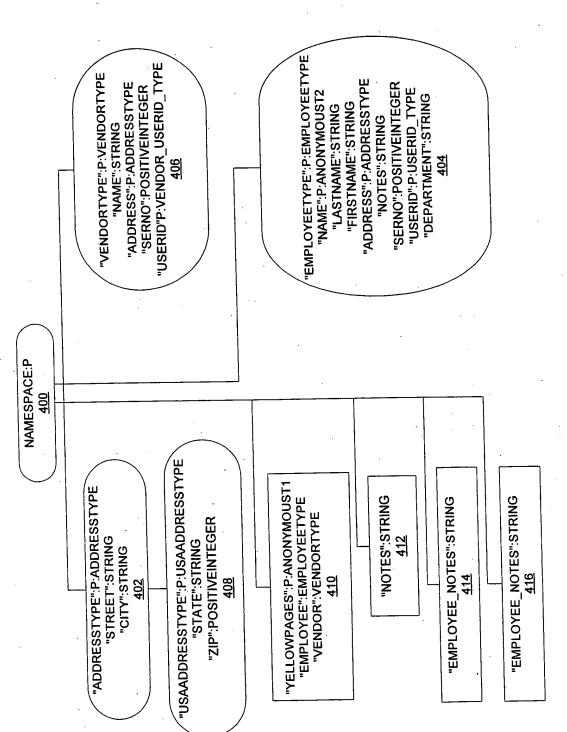


FIGURE 4

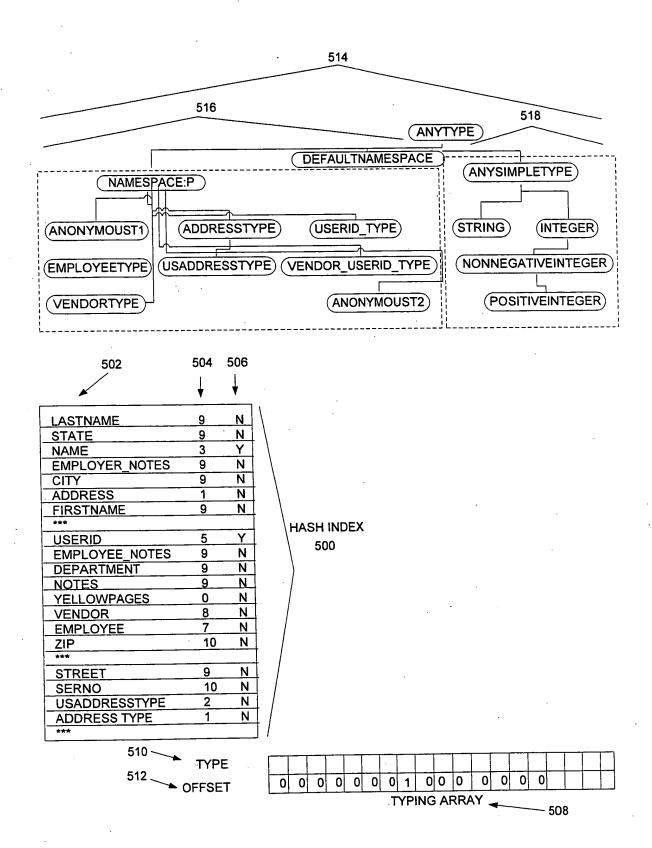


FIGURE 5

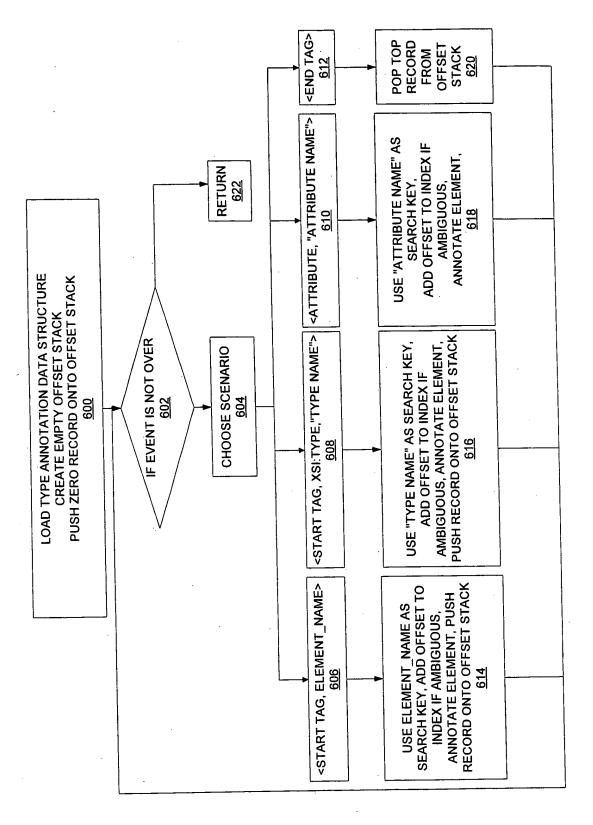


FIGURE 6

```
700
         <?xml version="1.0"?>

✓yellowpages xmins="http://www.foo.com/yellowpage">
           <employee serno='00001' userid='EdwardJ1'>
702
            <name>
             <a href="mailto:</a></a>lastname>
             <firstname>Judy</firstname>
                                                                704
                                                                                  706
            </name> 70
<address xsi:type='USAddressType'>
             <street>123 ABC ave.</street>
             <city>San Jose</city>
             <zip>9211180</zip>
             <state>CA</state>
            </address>
            <employee_notes>I'm an employee of foo.com</employee_notes>
           </employee>
           <vendor serno='00002' userid='1Vendor01'>
           ><name>EFG Co.</name>
            <address xsi:type='USAddressType'>
<street>456 CDE blvd.</street>
             <city>San Jose</city>
             <zip>9211180</zip>
            </address>
            <notes>This is a IT consultant company</notes>
           </vendor>
          </yellowpages>
```

FIGURE 7